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<110> Liew, Choong-Chin

<120> Method for the Detection of Coronary Artery Disease Related Gene Transcripts
in Blood

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<141> 2004-03-12

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<150> US 10/601,518

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<150> US 10/268,730

<151> 2002-10-09

<150> US 10/085,783

<151> 2002-02-28

<150> US 09/477,148

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<170> PatentIn version 3.2

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<213> Human

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cccacatttc cttttttaat atatactgtg ctttacaat attataatat gttttaaaat 180

atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaa ataagcattc 240

tttgaatata ttttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa 300

caaaatttgt gatttttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360

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aaagggggaa ggcccccaa accggggggg gggnaaaaag gtgggtttcc ccctttttcc	180
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aaggggggaa aatttttccg ggggtgggtn gggggaacca atttaagggg ggggcccccg 240
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 ctgtacttga actctaaaac tgttgagaa actcagtgtc taccccaaca gattcatttc 180
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 ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt 360
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tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg 180
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 aaggggggtg gggaagagcc aaatttcttt gggaaanaac gcccccttgg ggaaaanaag 180

gcccaaccacc tttcaacanc ccccaangcg nggaagccat ttcttg 227

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aggagaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga 240
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 gagaaccccg cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggaggggta 180
 gtcgggtact aaggcgtag cgaaggcgaa ggcgcgatgt gaaggggggtt aatattcctc 240
 cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag 300
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aagaaggaac ccaccctngg ggccaaacaa aaacttaaaa acccccccat ttctncccc	180
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 Page 29

cantcantng ttgcctnttg atacccnana caaaattgaa

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gggtgctcctg cgtttgact gtgcaggcct ctctatgct gatgctctc cccactcctg 180
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gggaggaccg tggtgactcg gggggcgagg gcngggancc agg 103

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tttaaaaatt tatgcatat gtccagcttc cagtcagtgc ttctgggttag catgaggata 120

actagatttt actgtagatg gtagataaaa gtccagtga aagcaaagat gtgtaatggt 180

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atnggacnag nanacangaa acctgcanac ttggngcctt ggaagt 106

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cgaacatttc acngcatat tgcggtgcaa gggcttactg 100

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 <223> n is a, c, g, or t

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ctcagactgc aaantgtnat nctgncnnan nntgngact gtcngncng atttnnngcn	120
tgnaatacta ttgcctctta tatacacnac caannntgcg aagggcnann nnacctttnc	180
cantnnnctg gggncccacn nnnngngaact gagagtggat cttgtgtacc tgacnnacca	240

SEQLIST~1.TXT

gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga	300
ccngnctatc tctactganga tgattgncag ngccnntggg tggcacnang ggnactgatg	360
ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat	420
aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa	480
ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt	540
tgntagatga nnnngntgctc ncccttgngg ctnacaaatt ccancaccnt tgggtggcngc	600
agccnttaag ancacttntt ttgggttgcg ctnttgatg aattacnaat agnntgtttt	660
gttncaaggc ctttctgca aatatgaana aaagngcnct tagctttttg ngggaactgn	720
actggaaatt ttg	733

<210> 53
 <211> 100
 <212> DNA
 <213> Human

<220>
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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SEQLST~1.TXT

<222> (70)..(70)
<223> n is a, c, g, or t

<220>
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<222> (74)..(74)
<223> n is a, c, g, or t

<220>
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<222> (80)..(80)
<223> n is a, c, g, or t

<400> 53
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caagtacgcn agcnctgaan ctaaagcaag caagaaaaag 100

<210> 54
<211> 515
<212> DNA
<213> Human

<400> 54
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agagccaagc taaacccccg ataccgacga gtaccagaac aggtaagcac cccgtctatg 120
tagatatggg aagattatag gaggcgacaa ctaccgagcc tggatagc tgggtgtccaa 180
gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca 240
agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg 300
gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360
tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420
ataagtaacc tgaaaacatt ctctctgca taagccctgc gttggattat atcctgcact 480
gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55
<211> 176
<212> DNA
<213> Human

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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<222> (40)..(40)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (60)..(60)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (62)..(62)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (76)..(76)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (107)..(107)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (155)..(155)

<223> n is a, c, g, or t

<400> 55

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cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagaggga 120

agcctgccct cattagacca agacagcaag gtttnccctg gtcactagat gaaatt 176

<210> 56

<211> 317

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is a, c, g, or t

<400> 56

cagnagtgat gttgcaatat ctggaactag caaaggatac tgatgagaaa acgtggaatc 60

atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120

ggatttgggg tttagaggta caattgcctt tttatggtta gagaaagggtc ctggggctgg 180

agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240

gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtgggtg atgctggcag 300

acattgttat tgccatt 317

<210> 57

<211> 209

<212> DNA

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<213> Human

<400> 57

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ctggactgga	cactgtatac	ccacatgcaa	gatgaagttg	gccccttaca	tcctatacgc	120
aggagaattg	cgtcatttaa	agcctgttga	cgcttttctc	ccgcagacga	atggaaagat	180
taattgggag	tgggggctga	aacaattcg				209

<210> 58

<211> 262

<212> DNA

<213> Human

<400> 58

aattttgctg	ttacatggtg	gctcaactga	gtcccatact	ttgaaggccg	ggagttaatc	60
acctggtcac	cgagttgcga	accagcctcc	aatatgtgga	accctgtact	ctctaaaaat	120
caaatcaccg	gcatggagat	tgcgcctgtg	gtcccaaaat	actcgggctg	ggacacgatg	180
agttgcttgg	cccaaggaag	gaggggttga	tggctgatca	cactggtccg	cctgggtgac	240
agagcgagac	tccatctcta	at				262

<210> 59

<211> 430

<212> DNA

<213> Human

<400> 59

gtcagtttat	ttctgactag	ggatattttc	tttccattta	gaaaagaaga	aaaaaaaaaa	60
aaacctttat	tgtcttacag	gggggaacta	gcgcggggct	gaataaaacc	tttggccctt	120
cccgggggag	gggtatccgg	tttataaacc	ccaagggtat	tttcttagca	aaataactta	180
aaaccggccg	gggtttttata	caaactggga	accacttttt	gaaaaatttt	ggccttttga	240
tctgggatgg	gaatatgagt	ttttatacat	ttcattttct	ttttgggcaa	aggcccgggt	300
aagtattccc	ccccgggggg	cctttacaaa	aagggcgggt	ttaaaagctt	ttgggcccc	360
ctaggggaatt	gttttaacac	ctaaaaaccc	ctgcttcctc	ttaaagggcg	ttctttaatt	420
tgggggcggc						430

<210> 60

<211> 350

<212> DNA

<213> Human

<400> 60

aaacctctct	aactatatat	cacaataacc	tgcgcataag	atttacgctc	cgatcttttc	60
atcctactag	cttgagggat	ttgaaccgat	tatgaatacg	caatactccc	ggctctcatg	120
tatcatgtgt	aagcccatct	cctgggaggg	ctaacatact	accatctcca	aggagaggca	180

SEQLST~1.TXT

tgattccgaa	tcacccacag	acagctcgat	caccatacgt	atcacccaac	atatatacct	240
tctaagactt	gctagaaaca	accaccacat	ttgatgctta	atcaccactc	tgacgcgcat	300
taaagtgagg	ggactctcct	aattttctgta	agttgatttt	tgatttctga		350

<210> 61
 <211> 515
 <212> DNA
 <213> Human

<400> 61						
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cactttcttt	gagaattcaa	catattgcaa	gttaaaat	tcatagacta	cacaagaaag	120
aataatcagg	caaatcctta	agaataagg	caattaagga	tgactagccc	tacaagattt	180
taaaaaggat	tcattagttt	aaaaaatgtg	atgtagatac	atgaataaaa	taaaatcttg	240
aagtagatcc	aatatacat	ggtcagattg	aatacaataa	agatggcatc	gtagcagtgg	300
agaaaagaag	aattatttca	taaaccttgt	tggaatggct	aggcaatcat	ctggaaaaaa	360
atgaagttga	ataataaaaa	tatattctac	actagcacia	attataaata	aagcagtgat	420
ttaaatgaga	aaaattaaat	cataatgatt	tcaaagataa	cataggataa	tttctttata	480
gtcttctaaa	atatatgact	ttatgaattc	tgact			515

<210> 62
 <211> 611
 <212> DNA
 <213> Human

<400> 62						
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aagacttttg	ttttataaat	aaggaggtat	atataaatta	tatatatttc	tgagctgagt	120
aataatccac	cagatacaag	tttgcacaa	cttctgtgaa	atattttttt	tcctttttgt	180
tgggcatttt	tatgggtctaa	atatagaatg	accaatgcct	ctagaacaaa	cttgacctgg	240
tcagtgttat	caagaagcag	actgtttctt	actttctttg	tatttcctta	cttattttaa	300
tttgttaaaa	ttgatataat	gatataataa	acttcttttg	ccagtgttgg	tggcacacgc	360
ctttaatccc	agcacttagg	aggcagaggc	aggggtggatt	tctgaatttg	agggcaggct	420
agtctacaga	gcaagttcca	ggtcagccaa	ggctatatat	agaaactctg	gcatgaaaaa	480
ccaaccaaac	caaaccaaac	caaaccagac	cagaccagac	cagaccagac	caaaccaaac	540
caaaccagac	taaaccaaac	caaaccagac	cagaccagac	cagaccagac	cagaccagac	600
cagaccaaac	t					611

<210> 63

SEQLST~1.TXT

<211> 291
<212> DNA
<213> Human

<400> 63
ccgagagatt ggccactgct taaactcatg cagctcctac tgttcttcaa ttaatgcctt 60
taatgcgaat atacttcctc ttctttttgc atggtcttgc ccagcctctg caatactgat 120
gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgccca 180
ggacatagga caacttcgtc gtcactagt tctaacatat taatgctggc gtaggtggag 240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g 291

<210> 64
<211> 309
<212> DNA
<213> Human

<400> 64
gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt 60
cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca 120
tatatttcaa atgtcttgct aacagtgggt actttgctct atccttagct atacgtctcg 180
aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat 240
cttaactgcc ctcttgatcc ttacgtgccg gagaagggtg aggcagaaat tttgtcaaat 300
ctgattaga 309

<210> 65
<211> 278
<212> DNA
<213> Human

<400> 65
tagaatggaa tggactcgaa tgtgatggaa tggacgcgaa tggaatggaa tggactcgaa 60
tggataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa 120
agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa 180
tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa 240
tgtaatggaa tagactcgaa tggaatggaa cgaaattt 278

<210> 66
<211> 142
<212> DNA
<213> Human

<400> 66
agttctcctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt 60
tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa 120
atagctagta aactccccct gt 142

SEQLST~1.TXT

<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
atattctgcc tctcatcgg ccaatcgtgt tattttgatg acgaatgctt cggagattgg 60
aaagatgatt tctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg 120
attattttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc 180
ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca tttccttgaa agcagaagtg taatattact tcttag 286

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
atctactttt tattcttttg ataaatgttt atgaaatata aaatactgaa aattagaaag 60
tagaagtcatt tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaatt 179

<210> 69
<211> 390
<212> DNA
<213> Human

<220>
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<222> (356)..(356)
<223> n is a, c, g, or t

<400> 69
cagataagac tattaagaca gataagagcc aaatcatgta gagcctcaga ggtttttgat 60
cttcagtcta agaacgtaaa tccatggaag aatttttaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaactgtct ctgggtgggt gtgggtgccca ccaagagcat gtgttcatgt 180
aggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgtg ttaggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttngggt 360
ctcaatttct gcatgagaaa aaaggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

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<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 70
 atgatgaaat gatgagatga aatgcntgag atgagatgtg atgaaatgat gatatgaaat 60
 gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
 tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
 agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
 gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
 gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga 360
 tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
 atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat 480
 g 481

<210> 71
 <211> 125
 <212> DNA
 <213> Human

<220>
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 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
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 <222> (19)..(19)
 <223> n is a, c, g, or t

<220>
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 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
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 <222> (38)..(38)
 <223> n is a, c, g, or t

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 <222> (42)..(42)
 <223> n is a, c, g, or t

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 <222> (45)..(45)
 <223> n is a, c, g, or t

SEQLST~1.TXT

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 <222> (49)..(49)
 <223> n is a, c, g, or t

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 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
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 <222> (77)..(77)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n is a, c, g, or t

<220>
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 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (90)..(90)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (100)..(100)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (110)..(110)
 <223> n is a, c, g, or t

<400> 71
 cggtngcaat tggggggccnc atacgcgcng acgagtantg gncangctnc ttgactacac 60
 ngacgcgccg tacaggntna attatggnan cttacatggn aaagggggcan ctcaatgtcc 120
 cacag 125

<210> 72
 <211> 473
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (151)..(151)
 <223> n is a, c, g, or t

<400> 72
 gaaatgaaat aatgaaatga gatgaaataa cgaaataaaa ttgaaatgag atgagaggaa 60
 atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg 120

SEQLST~1.TXT

aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga	180
cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240
tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
 <211> 500
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<400> 73 aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aaatgaggtg	60
aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaataa atgaaataat	120
gaaatgagat gaaataaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa	180
tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga	240
gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga	300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga	360
aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaat	420
aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg	480
atgagatgaa atgatgaaat	500

<210> 74
 <211> 299
 <212> DNA
 <213> Human

<220>
 <221> misc_feature

SEQLIST~1.TXT

<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 74
ggaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga 60
tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120
cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180
tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240
aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75
<211> 155
<212> DNA
<213> Human

<400> 75
agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60
taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120
tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76
<211> 367
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

SEQLIST~1.TXT

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<400> 76
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 ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgca gtgatatcac 120
 cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt 180
 tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact 240
 ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
 aaatatgagg ggtggcaagg ttttgcctgt tacattctca aatggaagca aattagatat 360
 gtcattg 367

<210> 77
 <211> 257
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<400> 77
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 atagaaatca ttatttctgt gggatggata attgggccaa attgtaaaat attttaacta 120
 tcagtgtttg ggggtttattt ttaaaagaat aggggtgccac cagatgttct ttagtggagg 180
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 ataatggatt ttattgttaa attgtgtgtg tgtgggtgtg atgccctgtc ttttctcctc 300
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SEQLST~1.TXT

aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat	240
gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
tgaaatgttg aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa	420
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ntagggacct gctctataag cccatcataa tttattatga agttataaca agtaaaacag	180
taagggtattt ggcattggaat agagaaccca gaaacagacc caatgcatgg gtacaggata	240
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SEQLST~1.TXT

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aacttcctca gaaggacaag agacaaagaa gtggggggagg ccctcctatc catagctgag	180
agggtttatt ctttgtgggt ctgctgtcag agcctttgga tgtctgatct gagatggagc	240
aacccagct agacagaact ttgtagattt tgggggggtt aaaaggcctc aagcaaattc	300
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tcttttacc cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtcg 180
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gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag 480
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aggaacgaac cccctttcat taccacggtc ccgcgtccgc ctctttctcc attcgcaaca 240
gttctatttc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa 300
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agaggcgga tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa 420

SEQLIST~1.TXT

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 aattaaggna aggnnttaaaa aatttaacca angggggggtt taaagggntt ttttttttta 180
 aaaaaaaagg ttaaancccc cccttttttt ttgggttggg gtgggaaaat tttgggaanc 240
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atgggnaant ttnnnngggg ggggggaaaa ancccnnggg tnannggggg cccngggntt	180
naaannnggn nctngggggg ggaaantttt ggcccccccc cgggggnttt ncctnaaaaa	240
aaanccnttt naaanacngn nanaattttt ccnnnncggg gagngngga nntttttttt	300
tnaannagcc ntttttgna naaaaanntt ggnccccccc ctattccnng gnttttngga	360
ccnttnnanc ntgggnnttt ttagnccttn aaaaaaangc naatnttaag gtaaaaattt	420
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agaccagct naggagatan ctncatttct ntctnaagnc ctttggtctg naggngnca 120

SEQLST~1.TXT

ntnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancngnggg	180
ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataccgc	240
canngtctnt gacgntgtga tgcatacgnt tgggcagagn gancaatang tgngcatatg	300
cgtgccttac ncaaggatac ggangngctt gaaattgatg ngaccaanan tttnggtacg	360
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aaatgaaatg aaataatgaa atgaaattga aataaaattg aaatgagatg agatgaaatg	120
atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa	180
tgatgagatg agatgacatg aaataaatga aataatgaaa tcgaaatgag atgagaagat	240
acgagatgag atgaaatgat gagatgaaat gatgaaatga gataagatga aaagagttga	300
tgagatgatg agatgaaatg agatgaaaag agatgaaatg agatgaaatg aaatgatgag	360
atgaaatgag gtgaaatgaa attagatgaa acgtaatgag atgaaatgac ataatgaaat	420
gaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg	480
atgaaatgaa ataatgaaat ggaaatgaaa tggaaatgat gagatgaatg atgagatgaa	540
atgatgagat gagatgtatt gatgagagga aatgatgaga tgtaatgaaa tgagatgaaa	600
tgaatgagat gaaatggaat antggaangg aaattgattg gngatttgag atgaaatgag	660
ntaaatgnga tgaattaatg atgagatgaa atgntgaatg ccggggtggn tgagatgaat	720
tgagttgaac cctgngatga atgaagattg nntgaatggt ggntgaatgt tgaatggntg	780
gntggnanaa tgcctgtngg	800

SEQLST~1.TXT

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 <211> 334
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 atgaaatgat attgaaatga aattgaaaga tgagatgatg agatgaaatg gtgaaatgtt 120
 gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaaa 180
 tgaaatgaaa tgagattaaa tgatgagatg aaaactgatg aaaacttaaa tgatgaaata 240
 atgaaatgaa aatgaaatgg aaatgatgag atgagaagaa atgatgagat gagatgagat 300
 aaaatgagat gaaatgatga gatgaaatga tgag 334

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 tgcttggttag acgcttttga acccttcagc gctgaaagta 100

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 agatgaaaag agttgatgag atgatgagat gaaatgagat gaaaagagat gaaatgagat 120
 gaaatgaaat gatgagatga aatgaggtga aatgaaatta gatgaaacgt aatgagatga 180
 aatgacctaa tgaaatgaaa aaatgaaatg aaataatgaa atgaggtgaa attaaatgag 240
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SEQLIST~1.TXT

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ntgagatgaa aagagatgaa atgagatgaa accgaaatga tgagatgaaa tgaggtgaaa	420
tgaaattaga tgaaacgtaa tgagatgaaa tgacataatg aaatgaaaaa atgaaatgaa	480
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tccccttgaa nntctctaaa ccttaacttt ctggcctttt tgtttcagan atgcctaacc	120
ctcaggggggt cttttgttct ctacgcctaa aaacttaatc tgtttggaac aattcctttt	180

SEQLIST~1.TXT

cctctctgta gaaattgacc tggccatggc tcctgtgaat gatacggttg ctattatccc	240
tgaacactgt aaaaatgaac tttgaaacag ttgggtagga cccaaacaga aaatgatgta	300
tggccttgga atagtttagc tgaacattat gctttaatat tttactggcc attgcagcac	360
aggtttagaa atttatgttc ggctttttaa agtttta	397

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attaattgta ctactttcaa aagaattaat tgaagaaaga gagatacagg gtatctaggc	120
ngaggaagac cc	132

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ggcacttaatt tttataattg atatatataa taaaaaattc aatgcagata ttgatataat	120
aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttgggggtt	180
aacctataac ttattaagta aagtgccaga atgggttcttt gacagtatta aaattaaaga	240
aaacag	246

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SEQLST~1.TXT

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18

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24

<210> 106
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 <212> DNA
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 analysis

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24

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SEQLIST~1.TXT

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SEQLIST~1.TXT

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21

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22